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Figure 1A

FRI-1	148	178	208	238	268	298
	ALLVFLDIIIEWTTQETFPKYLHYDPETGRQLLCDKCAPGTYLKQHCTVRRTKTLCVPCPD					
SW:TNR2_HUMAN						
	HALPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQAHAKVFCTKTSDFCDSCED					
	30	40	50	60	70	80
FRI-1	328					
	SYTDSWHTS					
SW:TNR2_HUMAN						
	STYTQLMNWWPECLSGSRCSSDQVETQACTREQNRICTRCPGWCALSKQEGCRLCAPL					
	90	100	110	120	130	140

1B

FRI-1	69	YLYHYDPETGRQLLCDKCAPGTYLKQHC.TVRRRTKTLCV.PCPDY.SYTD SW	
	1	.	.
TNFR profile	6	YHYYDONGRMCEECHMCQPGHFLVKHCKQPKRDTVCHKPCEPGVTTYDDW	
FRI-1	116	H	
TNFR profile	56	H	
			Z Score = 8.29

Figure 1C

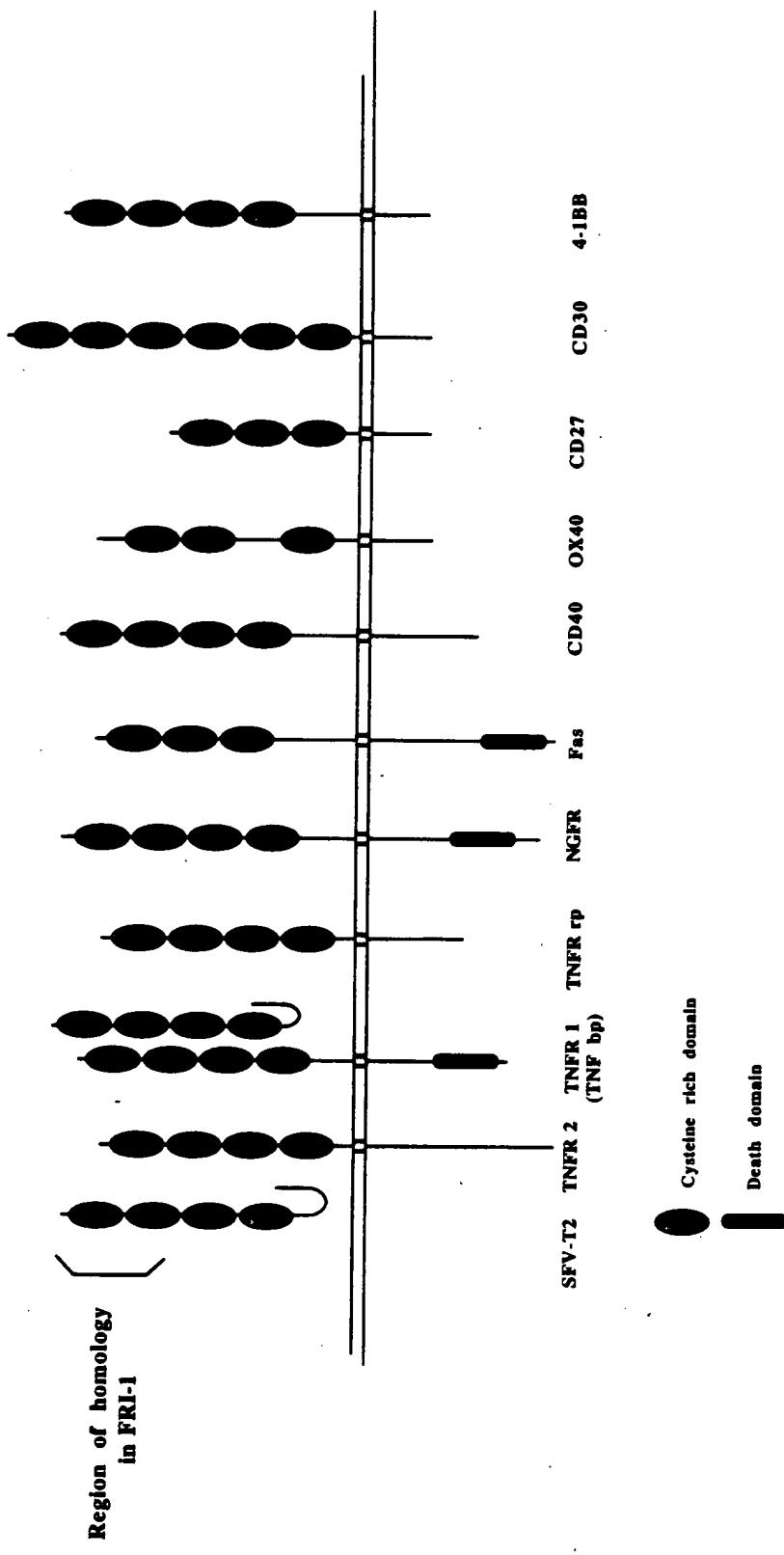


Figure 2A

.JG TAG
SP

2B

10	30	50
ATCAAAGGCAGGGCATACTTCCCTGTTGCCAGACCTTATATAAAACGTATGTTGCCCTG		
70 90 110		
GGCAGCAGAGAACCTAGCACTGGCCAGCGGCTGCCCTGAGGTTTCAGAGGACC		
130 150 170		
ACAATGAACAAGTGGCTGTGCTGTGCACTCTGGTGTCTGGACATCATTGAATGGACA		
M N K W L C A L L V E F D I E W T		
190 210 230		
ACCCAGGAAACCTTTCCTCCAAAATACTTGCAATTATGACCCAGAAACCGGACGTCAGCTC		
T Q E T F P P K Y L H Y D P E T G R Q L		
250 270 290		
TTGTGACAATGTGCTCTGGCACCTACCTAAACAGCACTGCACAGTCAGGAGGAAG		
L C D K C A P G T Y L K Q H C T V R R K		
310 330 350		
ACACTGTGTCCCTTGCCCTGACTACTCTTATACAGACAGCTGGCACACGGAGTGATGAA		
T L C V P C P D Y S Y T D S W H T S D E		
370 390 410		
TGGTGTACTGCAGCCCCGTGCAAGGAACCTGCAGACCGTGAAACAGGAGTGCACCCGC		
C V Y C S P V C K E L Q T V K Q E C M R		
430 450 470		
ACCCACAACCGAGTGTGCAATGTGAGGAAGGGCCTACCTGGAGGCTGAATTCTGCTTG		
T H N R V C E C E E G R Y L E L E P C L		
490 510 530		
AAGCAGGGAGCTGTCCCCAGGCTGGGTGCTGCAGGCTGGGACCCAGAGCAGAAC		
K H R S C P P G L G V L Q A G T P E R N		
550 570 590		
ACGGTTGCAAAAGATGTCCGGATCGGTTCTTCAGGTGAGACGTCACTGAAAGCACCC		
T V C K R C P D G F F S G E T S S K A P		
610 630 650		
TGAGGAAACACACCAACTGCAGCTCACTTGCCCTCTGCTAACTCAGAAAGGAAATGCA		
C R K H T M C S S L G L L L I Q R G M A		
670 690 710		
ACACATGACAATGTATGTCGGAAACAGAGAACGCACTCAAATCTGGAATAGATGTC		
T H D N V C S G N R E A T Q N C G I D V		
730 750 770		
ACCCCTGTGCGAAGAGGCAATTCTTCAGGTTGCTGCTACCAAGATTATACCGAATTGG		
T L C E A F F R F A V P T K I I P N W		
790 810 830		
CTGAGTGTGTCGGTGGACAGTTGCTGGGACCAAAAGTGAATGCGAGAGTGTAGAGG		
L S V L V D S L P G T K V N A E S V E R		
850 870 890		
ATAAAACGGAGACACAGCTCGCAAGAGCAAACCTTCCAGCTACTTAAGCTGGAAAGCAT		
I K R R H S S Q E Q T F Q L L K L W K H		
910 930 950		
CAAAACAGAGACAGGAAATGTCGAAGAACGATCATCCAAGACATTGACCTCTGTGAAAGC		
Q N R D Q E M V K K I I Q D I D L C E S		
970 990 1010		
AGTGTGCAACGGCATATCGCCACCGAACCTCACACAGAGCAGCTCCGCATTTGATG		
S V Q R H I G H A M L T T E Q L R I L M		
1030 1050 1070		
GAGAGCTTGGCTGGGAAGAAGATCAGCCCAGCAGGATTGAGAGAACGAGAACCTGC		
E S L P G K R I S P D E I E R T R K T C		
1090 1110 1130		
AAACCCAGCAGGAGCTCTGAAGCTACTGAGCTTGTGGAGGATCAAATGGAGACCAA		
K P S E Q L L K L L S L W R I K N G D Q		
1150 1170 1190		
GACACCTTGAGGGCTGATGTACGCACCTCAAGCACTTGAAAGCATACCACTTCCCAA		
D T L K G L M Y A L K H L K A Y H F P K		
1210 1230 1250		
ACCCGTCACCCACAGCTGAGGAAGACCATCAGGTTCTGACAGCTTCAACCATGACCGA		
T V T H S L R K T I R F L H S P T M Y R		
1270 1290 1310		
TTGTATCAGAAACTCTTCAGAAATGATAGGAAATCAGGTTCAATCAGTGAAGATAAGC		
L Y Q K L P L E M I G N Q V Q S V K I S		
1330 1350 1370		
TGCTTATAGTAGGAAATGGTCACTGGCTGTTCTTCAGGATGGGAAACACTGATGGAG		
C L		
1390 1410 1430		
CAGATGGCTGTTCTCGGCTCTGAAATGGCAGTTGATTCTCTCATCAGTTGGG		
1450 1470 1490		
GAATGAAGATCTCCAGGCCAACACACACACTGGGGAGTCTGAGTCAGGAGAGTGAGGA		
1510 1530 1550		
GGCTTATTGATAATTGTGCAAAGCTGCCAGGTGTACACCTAGAAAGTCAGCACCCCTGAG		
1570 1590 1610		
AAAGAGGATATTTATAACCTAAACATAGGCCCTTCCTCTCTCTTATGGATGAG		
1630 1650 1670		
TACTCAGAAGGTTCTACTATCTCTGTCATCCTCTAGATGAAGGCCCTTTATTAT		
1690 1710 1730		
TTTTTATCTTTTCAGGAGCTGGGAGCAAGCCAGGGCTTGGCTTGGAGGCAA		
1750 1770 1790		
GTGCTCTACACTGAGCTAAATCTCAACCCCTGAAGGCCCTTCTCTGCTCTGAT		
1810 1830 1850		
AGTCTATGACATTCTTTCTACAATTCTGATCAGGTGACGGAGCCTTATCCATTG		
1870 1890 1910		
AGGTTCTAGGCAAGTTGACGGTTAGCTTTCTCTGAAGATTGATTGAGTTG		
1930 1950 1970		
AGACTTGGCTAGACAAGCAGGGTAGTTAGTGTAGTTATTAACAGACTGCCACAGG		
1990 2010 2030		
AGTCCACTGTTCTGTTCTGACTGACTTAAGCTGACTCCAAGTACATTTAGTA		
2050 2070 2090		
TGAAAAATAATCAACAAATTCTACACATTGGCTAGCTTGTGTTAGGGC		
2110 2130 2150		
ACTAAAAGAAACTACTATATGGAGAAAGAATTGATATTGCCCCAACGTTCAACACCCA		
2170 2190 2210		
ATAGTTTATCCAGCTGTCACTGGCTGGTCACTGACTGACTATGCCCTTATTAC		
2230 2250 2270		
TGCATGGAGTAATTCAACTGGAAATAGTAATAATAATAGAAATAAAATCTAGACTCC		
2290 2310 2330		
ATTGGATCTCTGTAATATGGAAATCTAAGCTTAAGAAGCTTGTGAGATTTCAGTTGT		
2350 2370 2390		
TAAGGCTTATTAAAAGCTGATGCTCTCTGTAAAAGTTACTAATATCTGTAAGA		
2410 2430 2450		
CTATTACAGTATGCTATTATATCCATCCAG		

FIGURE 2C

FIGURE 3

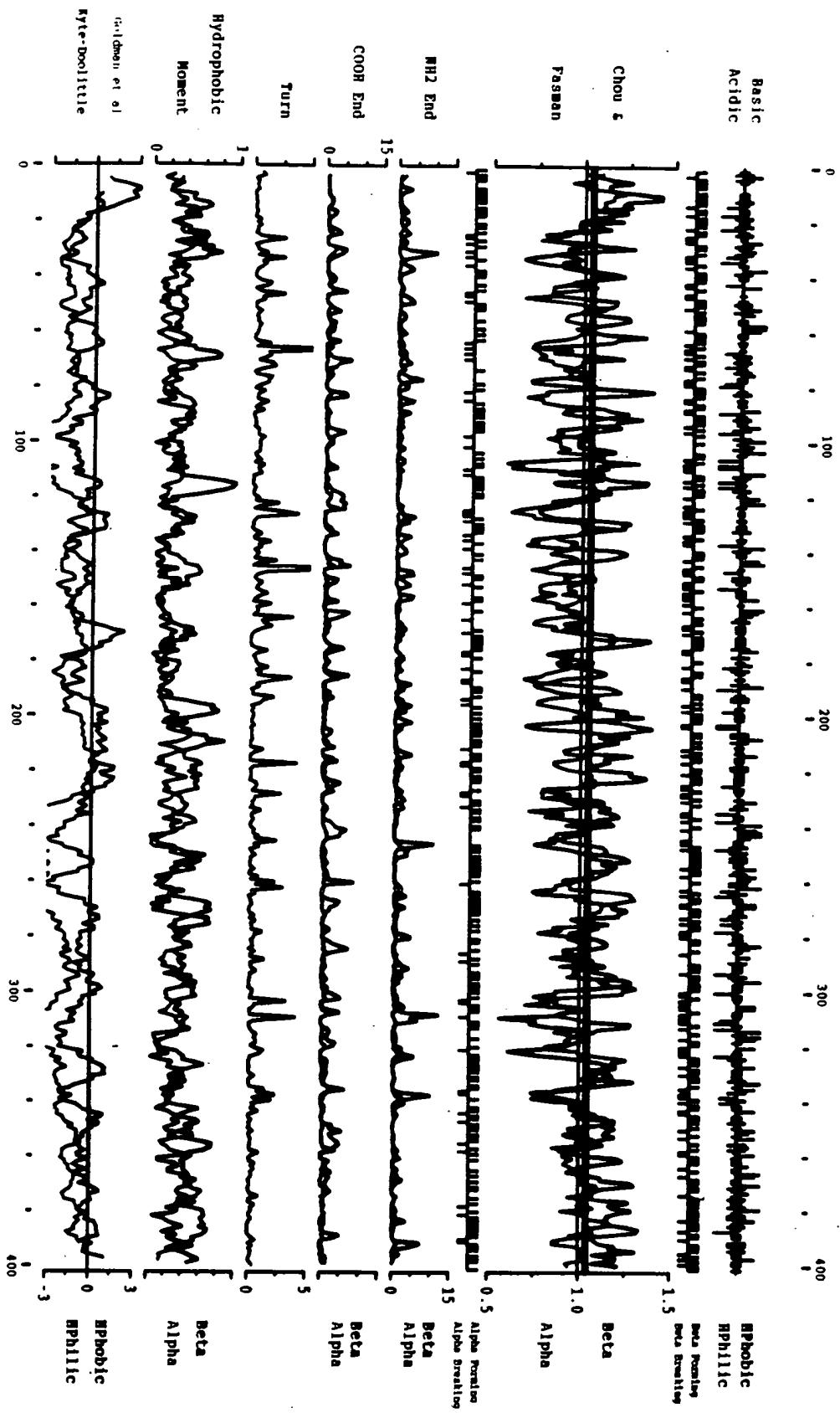


FIGURE 4

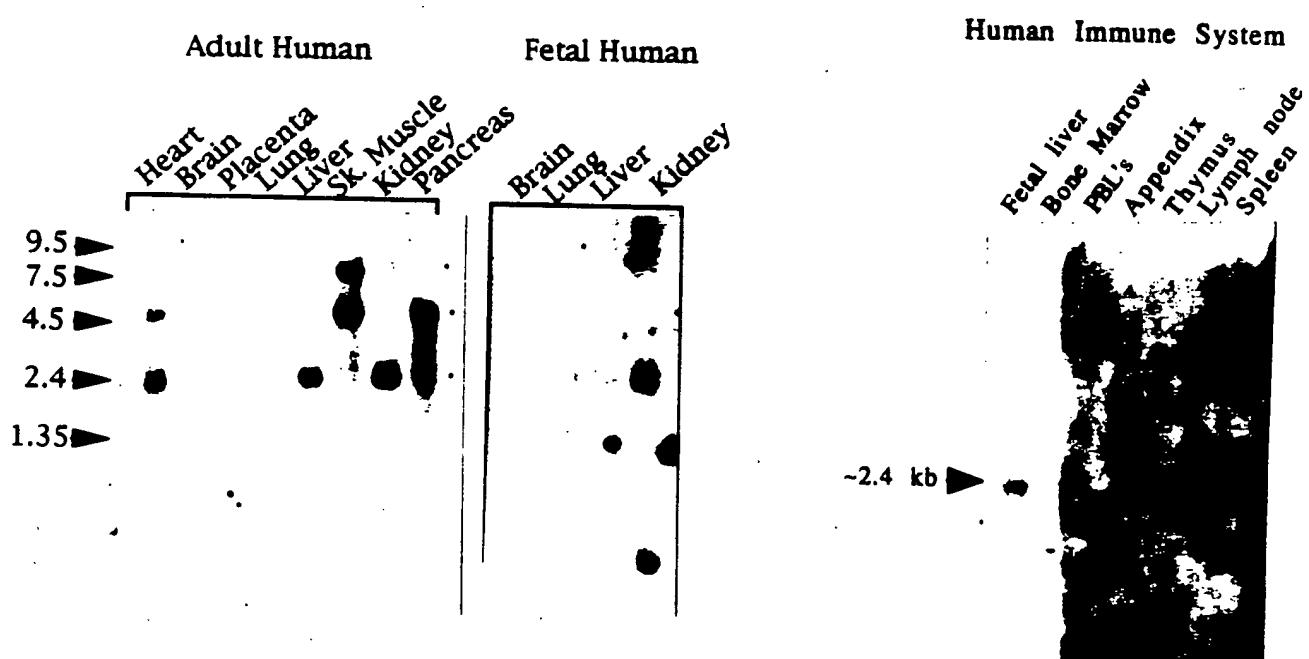


FIGURE 5

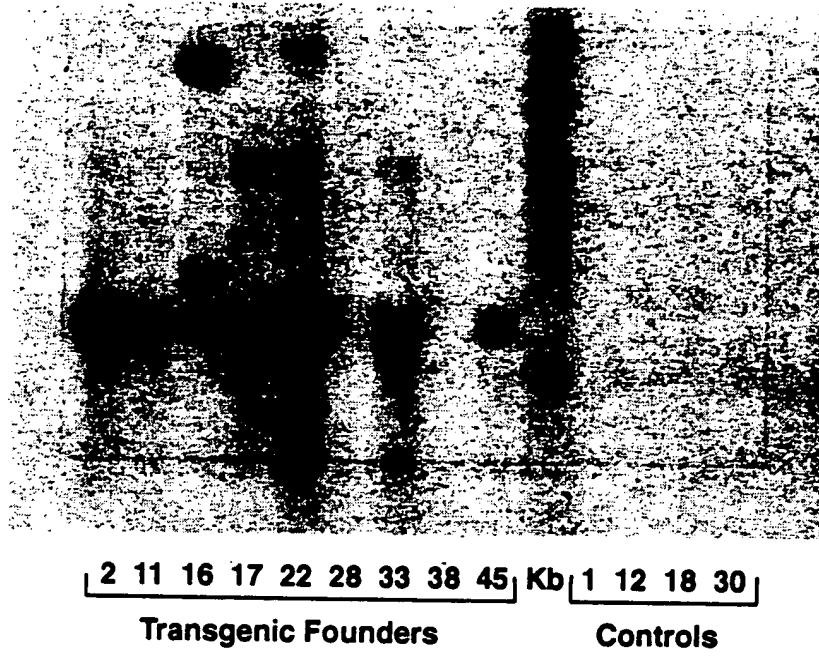


FIGURE 5

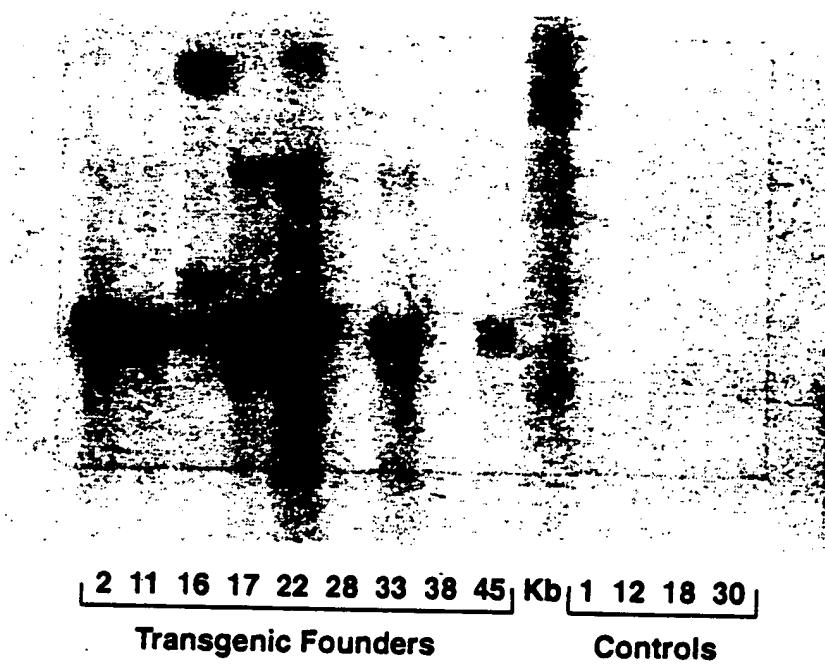


FIGURE 6

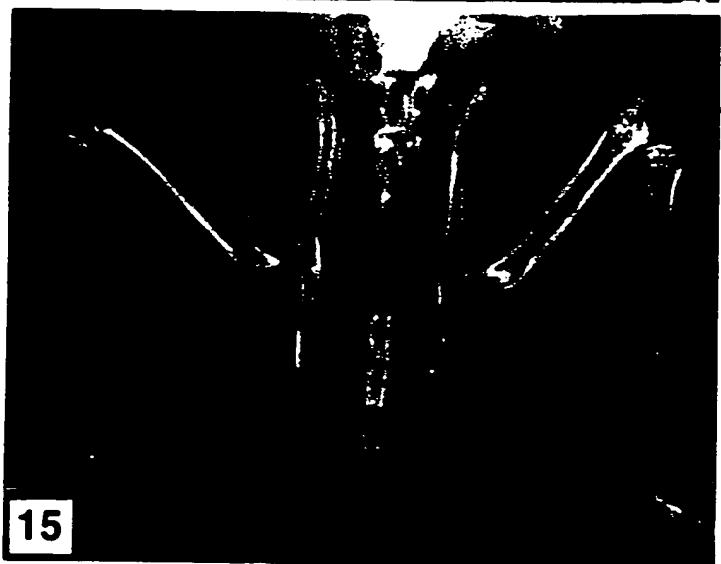
PANEL A



01



12



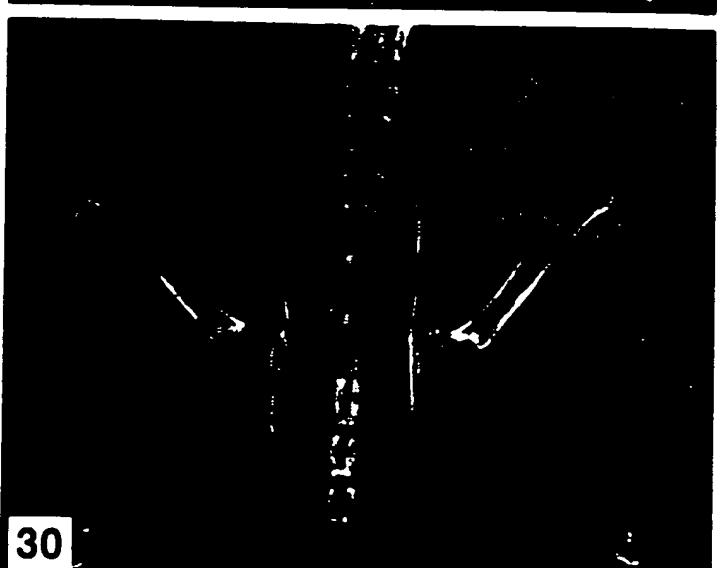
15



18



28



30

FIGURE 6

PANEL B



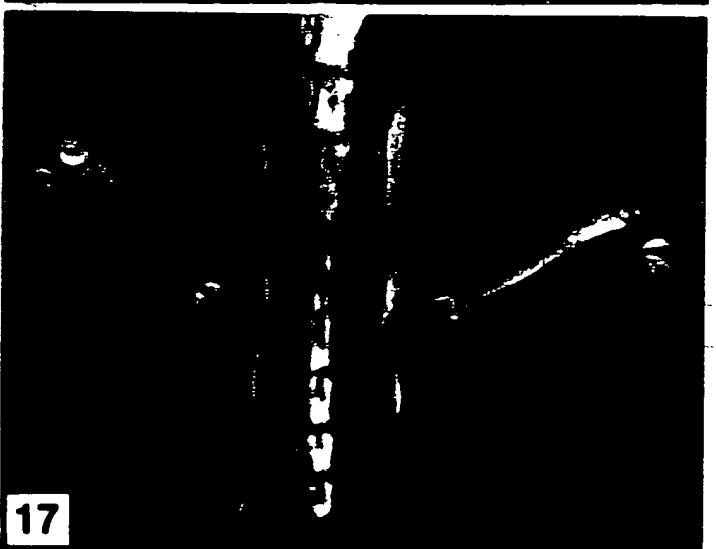
02



11



16



17

FIGURE 7

PLATE A

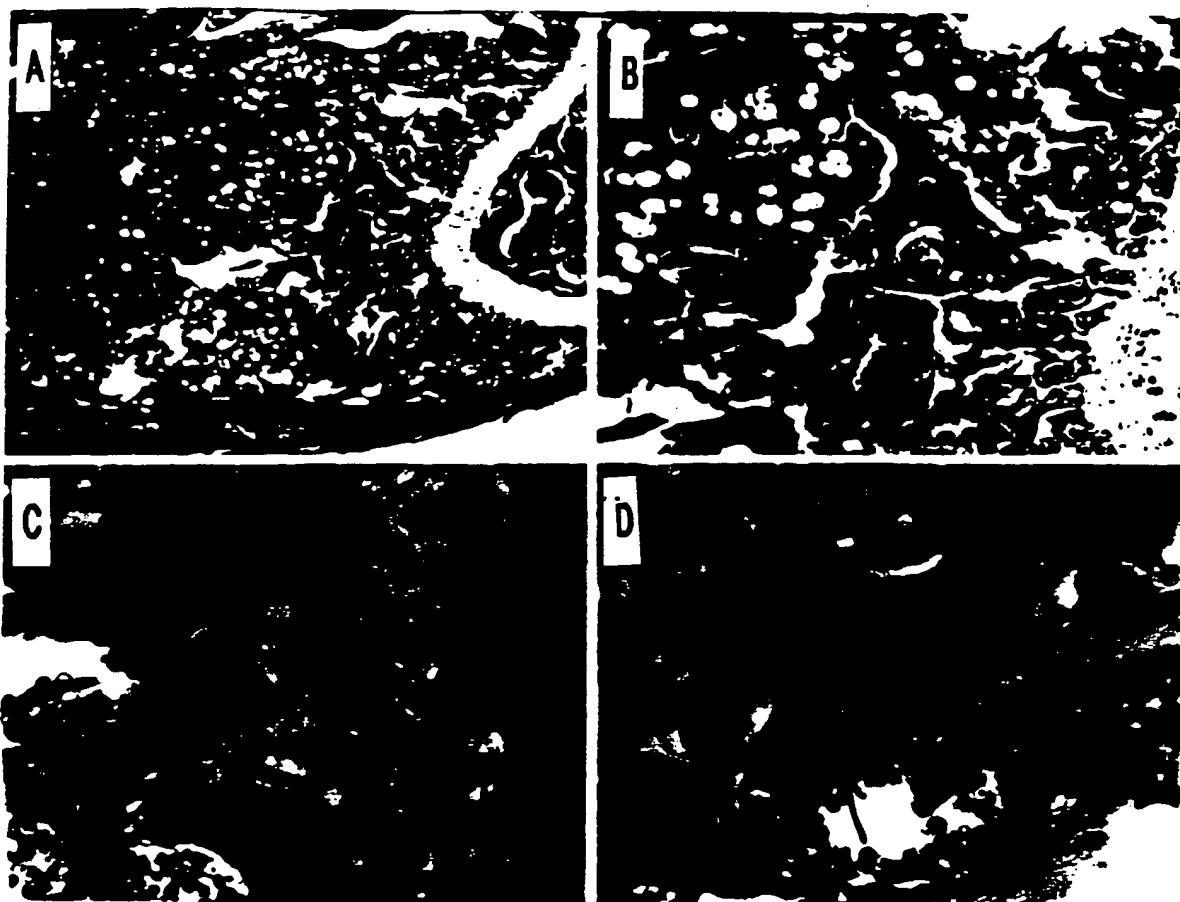


PLATE B

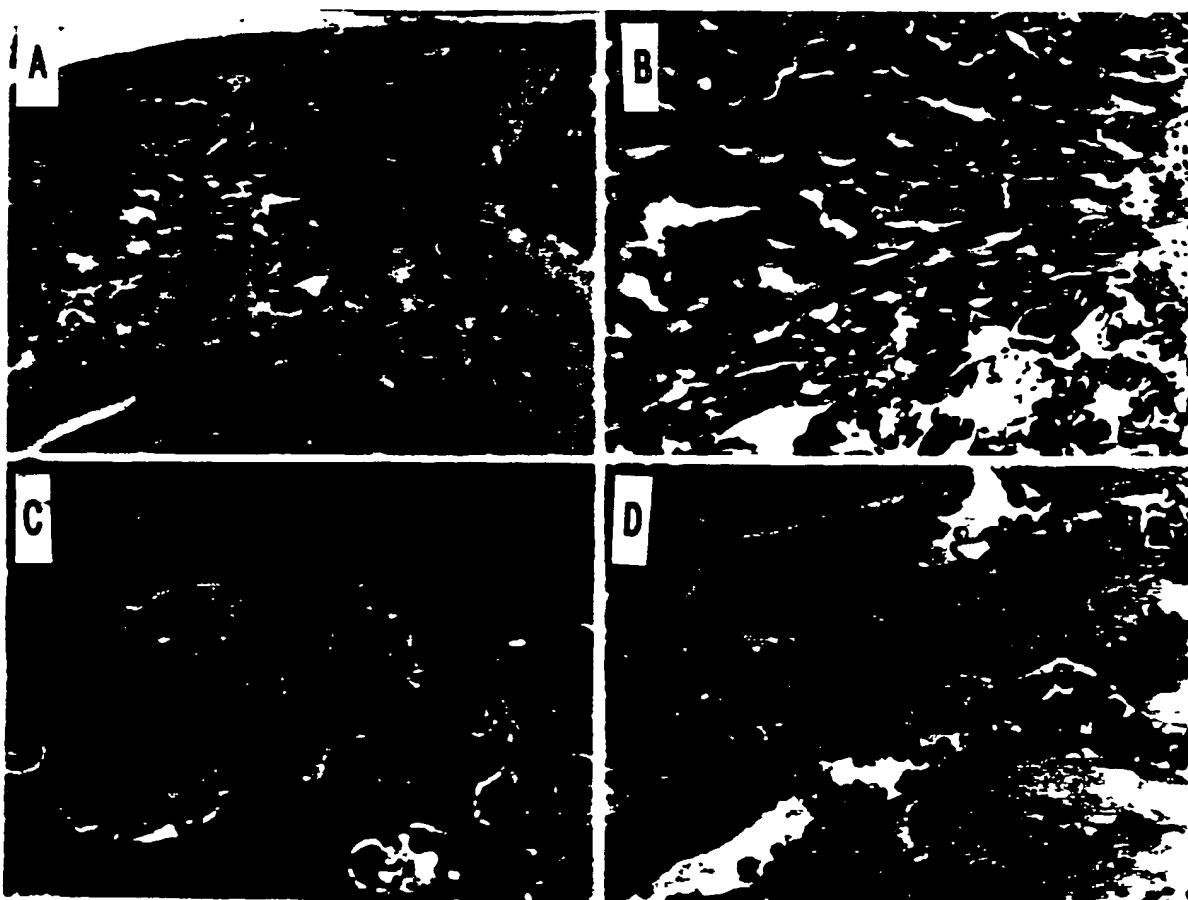


FIGURE 8

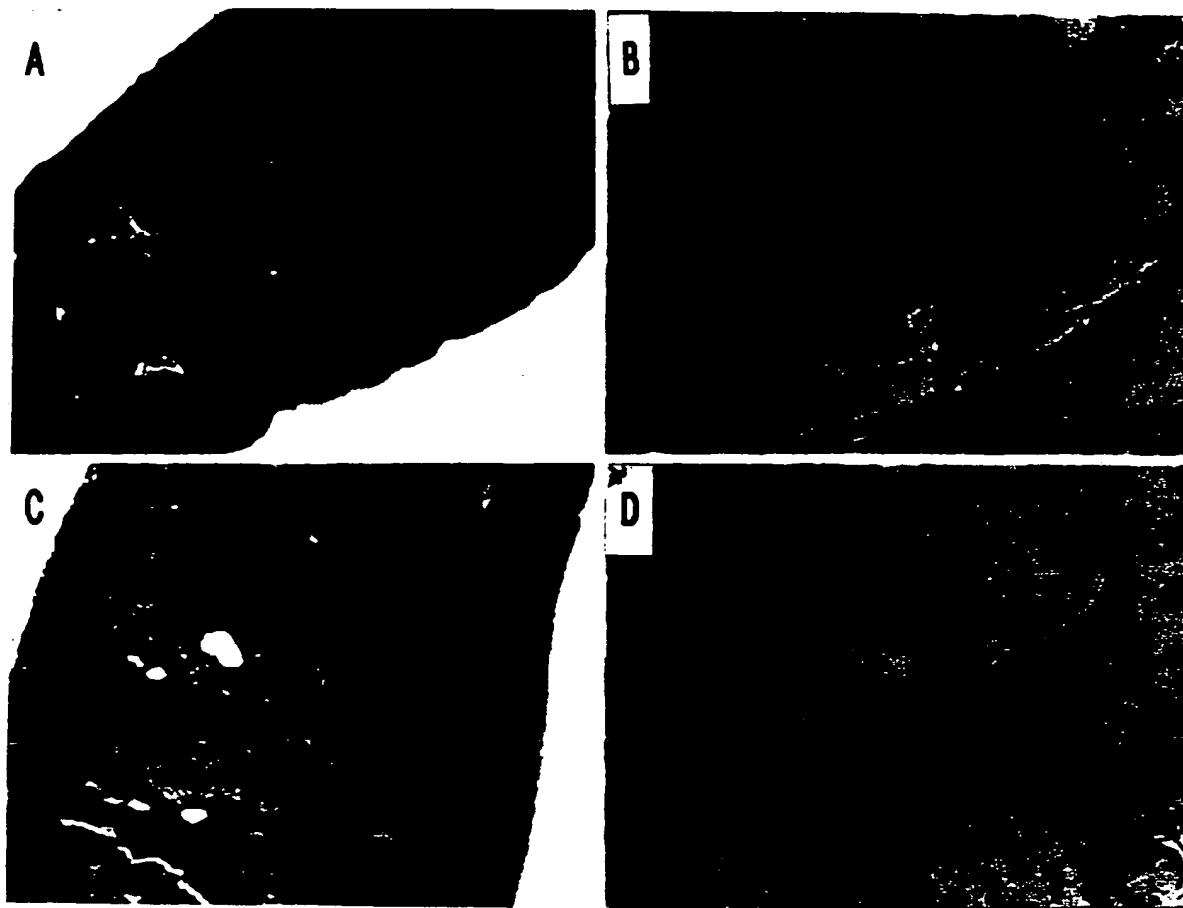


FIGURE 9A

CCTTATATAACGCTCATGATTGCCCTGGGTCAGAGACGCACCTAGCACTGACCCAGCG
 70 90 110
 GCTGCCCTCTGAGGTTCCGAGGACCAATGAACAAGTGCTGTGCTGCCACTCTG
 M N K W L C A L L
 130 150 170
 GTGCTCTGACATCATGAAATGGACAAACCCAGGAAACCCCTTCCTCCAAAGTACTTGAT
 V L L D I E W T O E T L P P K Y L H
 190 210 230
 TATGACCCAGAAAAGTGGTCATCAGCTCTGTGACAAATGTCCTCTGGCACCTACCTA
 Y D P E T G H Q L L C D K C A P G T Y L
 250 270 290
 AACACGCACTGACAGTGAGGAGGAACATGTTGTCCTTGCCCCAGTGTGCAAGGAACACTG
 K Q H C T C V R R K T L C V P C P D H S Y
 310 330 350
 ACGGACAGCTGGCACACCAGTGATGAGTGTGTGTTTGAGCCAGTGTGCAAGGAACACTG
 T D S W H T S D E C V Y C S P V C K E L
 370 390 410
 CAGTCCTGAGGAGCAGGACTGCAACCGACCCACAAACCGAGTGTGTGAGTGTGAGG
 Q S V K Q E C M R T H N R V C E C E E G
 430 450 470
 CGTTAACCTGGAGATCGAATTCTGCTTGAAACCCGGAGCTGTCCCCTGGCTCCGGCTG
 R Y L B I E F C L K H R S C P P G S G V
 490 510 530
 GTGCAAGCTGGACCCAGAGCGAAACACAGTTGCAAAAATGTCAGATGGGTCTTC
 V Q A G T P E R N T V U C K K C P D G F F
 550 570 590
 TCAGGTGACACTTCATCGAAAGCACCCCTGTATAAAACACAGGAACATGCAAGCATTGGC
 S G E T S S K A P C I K H T M C S T F G
 610 630 650
 CTCTCGCTAAATTCTAGAAAAGGAAATGCAACACATGACAACGTTGCTGTCCGGAAACAGAGAA
 L L L I Q K G M A T H D N V C S G N R E
 670 690 710
 GCCACGCAAAGTGTGGAATAGATGTGACCCCTGTGAGAGGGCTTCTTCAGTTTGCT
 A T Q K C G I D V T L C E E A F F R F A
 730 750 770
 GTTCTTACCAAGATTATACCAAAATTGGCTGAGTGTGTTGGTGGACAGTTGCTCTGGGACC
 V P T K I I P N W L S V L V D S L P G T
 790 810 830
 AAAGTGAATGCCGAGACTGTAGAGAGGATAAAACGGAGACACAGTCACAAGAGCAAACC
 K V N A E S V E R I K R R H S S Q E Q T
 850 870 890
 TTTCAGCTGCTGAGCTGTGAAACATCAAACAGAGACCCAGGAAATGTCAGAGAGATC
 P Q L L K L W K H Q N R D Q E M V K K I
 910 930 950
 ATCCAAGACATTCGACCTCTGTGAAAGCAGCTGCCAGGGCATCTGGGCACTCGAACCTC
 I Q D I D L C E S S V Q R H L G H S M L
 970 990 1010
 ACCACAGAGCAGCTTCTGCTTGTGAGAGGACCTGCCCTGGGAAAGAAGATCAGCCAGAA
 T T B Q L L A L M E S L P G K K I S P E
 1030 1050 1070
 GAGATTGAGAGAACGAGAACACCTGCAATTGAGCGAGCAGCTCTGAAGACTACTGAGT
 E I B R T R K T C K S S E Q L L K L L S
 1090 1110 1130
 TTATGGAGGATCAAAATGGTGAACAGACACCTTGAGGGCTGTGATGTTGCTCTCAAG
 L W R I K N G D Q D T L K G L M Y A L K
 1150 1170 1190
 CACTTGAAGAACATCCCACTTCCAAAAGTCTGACCCACACTGAGGAAGACCATGAGG
 H L K T S H F P R T V T H S L R K T M R
 1210 1230 1250
 TTCTGAGCAGCTTCAAAATGACAGACTGAGTCAAGAGCTCTTTGAGAAATGATAGGG
 P L H S P T M Y R L Y Q K L W E M I G
 1270 1290 1310
 AATCAGGTCAATCCGTAAAAATAAGCTGTATAACTAGGAATGTCACTGGCTGTGTT
 N Q V Q S V K I S C L

FIGURE 9B

10 30 50
 GTATATAACGTGATGAGCGTACGGGCGAGACGCACCGGAGCGCTGCCCGCCGC
 70 90 110
 CGYCTCCAAGCCCCCTGAGTTTCGGGGACCAATGAACAAGTGTGTCGCGCGCT
 130 150 170
 CGTGTTCGAGACATCTCCATTAAAGTGGACCAACCCAGGAACGCTTCCTCCAAAGTACCT
 V F L D I S I K W T T O E T F P P K Y L
 190 210 230
 TCATTATGAGCAAGAACCTCTCATCAGCTGTGTGACAAATGTCCTCTGGTACCTA
 H Y D E E T S H Q L L C D K C P P G T Y
 250 270 290
 CCTAAAACAAACACTGTACAGCAAAGTGGAAAGACCGTGTGCGCCCTGCCCCGACACTA
 L K Q H C T A R W K T V C A P C P D H Y
 310 330 350
 CTACACAGACGCTGGCACCCAGTGACGAGTGTCTATACTGCGAGCCCCTGTCAGAGGA
 Y T D S W H T S D E C L Y C S P V C K E
 370 390 410
 GCTGCACTACGTCAGCAGGAGTGTCACTGCACCCACAAACCGGTGTGCGAACATGCAAGGA
 L Q Y V K Q E C M R T H N R V C E C K E
 430 450 470
 AGGGCCTACCTTGTAGATAGAGTTCTGCCTGAAACATAGGAGCTGCCCTCTGGATTGG
 G R Y L B I E F C L K H R S C P P G F G
 490 510 530
 AGTGGTGAAGCTGGAAACCCAGAGCGAAATACAGTTGCAAAAGATGTCAGATGGTT
 V V Q A G T P E R N T V C K R C P D G P
 550 570 590
 CTTCCTCAATGAGACGTCACTAAAGCACCCGTAGAAAACACAAATTGCAAGTGTCTT
 F S M E T S S K A P C R K H T M C S V P
 610 630 650
 TGGTCCTCTGTAACCTCGAGAAAGGAAATGCAACACAGCACAAACATATGTTCCGAAACAG
 G L L T Q K G M A T H D N I C S G N S
 670 690 710
 TGAATCAACTCAAAATGTGGAATAGATGTCACCTGTGTGAGGGAGGCATTCTTCAGGTT
 E S T Q R C G I D V T L C B E D A F F R P
 730 750 770
 TGCTGTTCTACAAAGTTACGCCCTAACGTGCTTAGTGTCTGGTAGACAATTGGCTGG
 A V P T K F T P N W L S V L V D N L P G
 790 810 830
 CACCAAGTAACCCAGAGAGTGTAGAGGATAAAACGGCAACACAGCTCAAGAACAA
 T K V N A E S V E R I K R Q H S S Q E Q
 850 870 890
 GACTTTCCACCTGCTGAAGTTATGGAAACATCAAACAAAGCCAAGATATAGTCAGAA
 T F Q L L K L W K H Q N K D Q D I V K K
 910 930 950
 GATCATCCAAGATATTGACCTCTGTGAAAACAGCGTGTGAGGGCATTGACATGCTAA
 I I Q D I D L C E N S V Q R H I G H A M
 970 990 1010
 CCTCACCTTGAGCAGCTCTGAGCTTGTGATGAAAGCTTACCGGGAAAGAAAGATGGGAGC
 L T P E Q L R S L M E S L P G K K V G A
 1030 1050 1070
 AGAAGACATTGAAAAACAAATAAGGCATGCAACACCCAGTGACCGAGATCTGAAGCTGCT
 E D I E K T I K A C K P S D Q I L K L L
 1090 1110 1130
 CAGTTTGTGGCAATAAAAGGGACCAANGACACCTTGAAAGGGCTTAATGCAAGCAGCT
 S L W R I K N G D Q D T L K G L M H A L
 1150 1170 1190
 AAAGCACTCAAGACGTACCACTTCCAAACTGTCACTGAGGTCTAAAGAAGACCAT
 K H S T Y H P P K T V T Q S L K K T I
 1210 1230 1250
 CAGGTTCTCAGCTTCAACATGTACAAATGTTAGCAAGAATTTTAGAAATGAT
 R F P L H S P T M Y K L Y Q R L F L E M I
 1270 1290 1310
 AGGTAACCCAGCTTCAACATGTTAAATAAGCTGTTATAACTGAAATGGCCATTGAGCT
 G N Q V Q S V K I S C L
 1330 1350

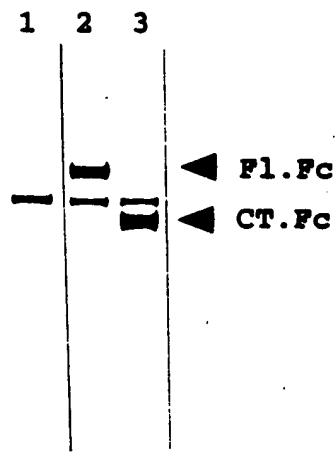
FIGURE 9C

muosteo.frg	M N K W L C C A L L V L D I E W T Q E T L P P K Y L H Y D P E T G H O L L C D K C A P G T Y L	50
atosteo.frg	M N K W L C C A L L V F L D I E W T Q E T F P P K Y L H Y D P E T G R O L L C D K C A P G T Y L	50
huosteo.frg	M N K L L C C A L V F L D I S I K W T T Q E T F P P K Y L H Y D E E T S H O L L C D K C P P G T Y L	50
muosteo.frg	K Q H C T V R R K T L C V P C P D H S Y T D S W H T S D E C V Y C S P V C K E L Q S V K Q E C N R T	100
atosteo.frg	K Q H C T V R R K T L C V P C P D Y S Y T D S W H T S D E C V Y C S P V C K E L Q T V K Q E C N R T	100
huosteo.frg	K Q H C T A K W K T V C A P C P D H Y V T D S W H T S D E C T Y C S P V C K E L Q Y V K Q E C N R T	100
muosteo.frg	H N R V C E C E E G R Y L E I E F C L K H R S C P P G S G V V Q A G T P E R N T V C K E K C P D G F F	150
atosteo.frg	H N R V C E C E E G R Y L E I E F C L K H R S C P P G L G V L Q A G T P E R N T V C K R C P D G F F	150
huosteo.frg	H N R V C E C E E G R Y L E I E F C L K H R S C P P G F G V V Q A G T P E R N T V C K R C P D G F F	150
muosteo.frg	S G E T S S K A P C I K H T N C S T F G L L L I Q K G N A T H D N V C S G N R E A T Q K C G I D V T	200
atosteo.frg	L C E E A F F R F A V P T K I I P N W L S V L V D S L P G T K V N A E S V E R I K R R H S S Q E O T	250
huosteo.frg	L C E E A F F R F A V P T K I I P N W L S V L V D S L P G T K V N A E S V E R I K R R H S S Q E O T	250
muosteo.frg	S L P G K K I S P E E I E R T R K T C K S S E O L L K L L S L W R I K N G D Q D T L K G L M Y A L K	300
atosteo.frg	S L P G K K I S P D E I E R T R K T C K P S E O L L K L L S L W R I K N G D Q D T L K G L M Y A L K	350
huosteo.frg	S L P G K K V G A E D I E K T I K A C K P S D O T L K L L S L W R I K N G D Q D T L K G L M H A L K	350
muosteo.frg	H L K T S H F P K T V T H S L R K T M R F L H S F T M Y R L Y Q K L F L E M I G N Q V O S V K I S C	400
atosteo.frg	H L K A Y H F P K T V T H S L R K T I R F L H S F T M Y R L Y Q K L F L E M I G N Q V O S V K I S C	400
huosteo.frg	H S K T Y H F P K T V T Q S L K T I R F L H S F T M Y R L Y Q K L F L E M I G N Q V O S V K I S C	400
muosteo.frg	H L	401
atosteo.frg	L	401
huosteo.frg	L	401

Figure 10A



10B



10C

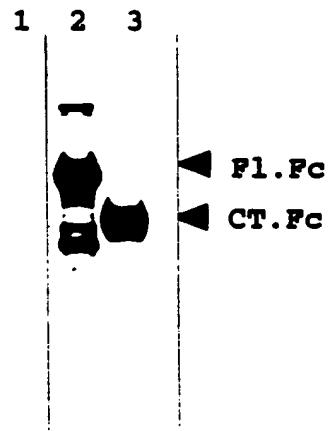


Figure 11A

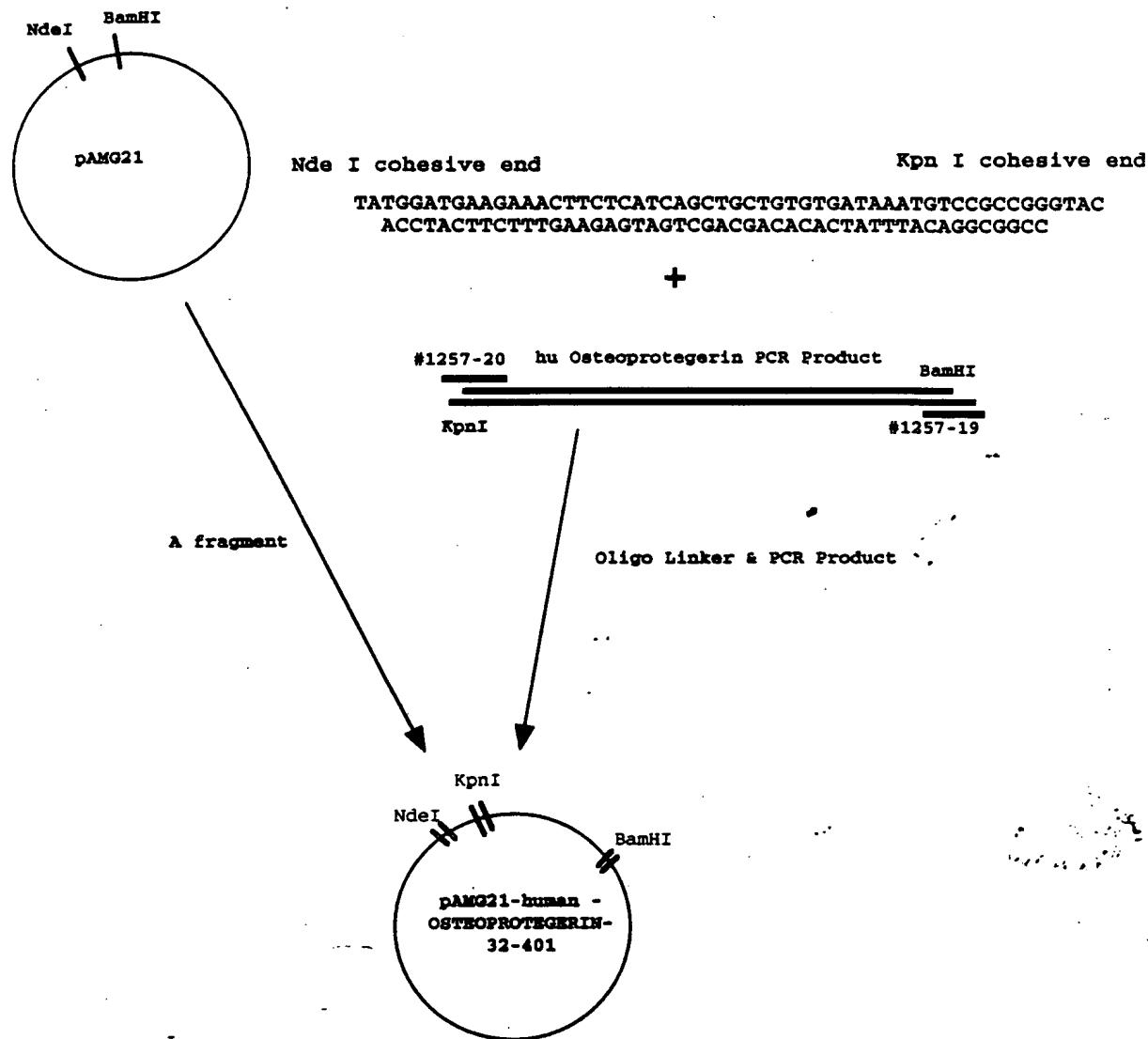
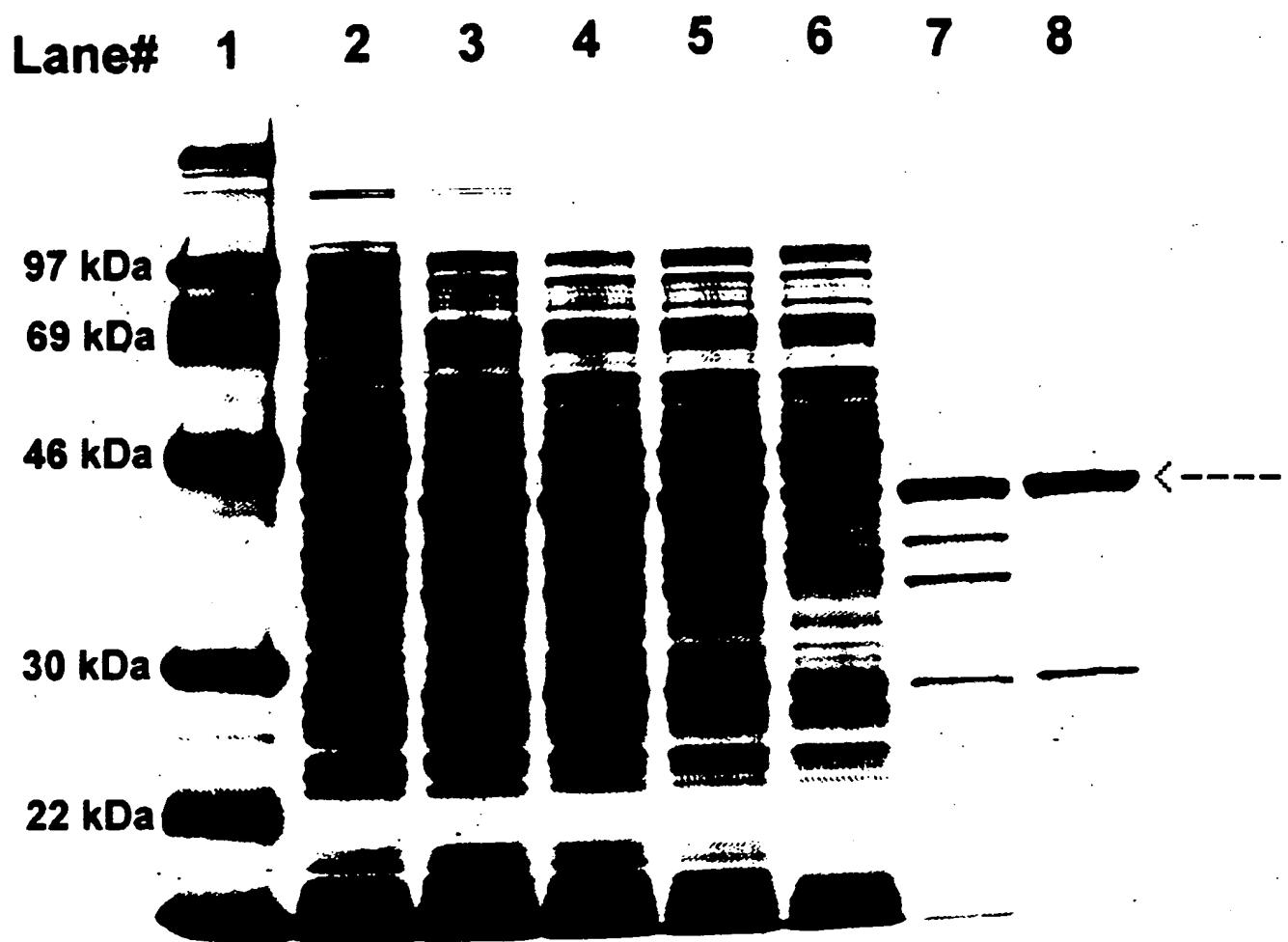


FIGURE 11B



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